

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
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DEC 06 2005

INSTRUCTIONS: This form is used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

7590

10/06/2005

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission
 I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)

(Signature)

(Date)

12/07/2005 HDAMTE2 0000083 10033785

01 FC:2501	700.00 OP
02 FC:1504	300.00 OP

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/033,785	01/03/2002	Jeffrey B. Casady	2343-137-27	8552

TITLE OF INVENTION: SILICON CARBIDE AND RELATED WIDE-BANDGAP TRANSISTORS ON SEMI-INSULATING EPITAXY FOR HIGH-SPEED, HIGH-POWER APPLICATIONS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$700	\$300	\$1000	01/06/2006
EXAMINER		ART UNIT	CLASS-SUBCLASS		
IM, JUNGHWA M		2811	257-077000		

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

2. For printing on the patent front page, list

- Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

1 DLA Piper Rudnick

2 Gray Cary US LLP

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Mississippi State University
 Research and Technology
 Corporation (RTC)

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Mississippi State, Mississippi

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are enclosed:

4b. Payment of Fee(s):

- Issue Fee
- Publication Fee (No small entity discount permitted)
- Advance Order - # of Copies _____

 A check in the amount of the fee(s) is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 50-1442 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

 a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

James M. Heintz

Typed or printed name John K. Pike, Ph.D.

Date December 6, 2005

41,828

Registration No. 41,253

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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DLA PIPER RUDNICK GRAY CARY US LLP

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DOCKET NO.: 2343-137-27

ASSISTANT COMMISSIONER FOR PATENTS
PO BOX 1450
ALEXANDRIA, VA 22313-1450

Re: Serial No.: 10/033,785
Applicants: Jeffrey B. CASADY, et al.
Filing Date: January 3, 2002
For: SILICON CARBIDE AND RELATED WIDE-BANDGAP
TRANSISTORS ON SEMI-INSULATING EPITAXY FOR HIGH-
SPEED, HIGH-POWER APPLICATIONS
Group Art Unit: 2811
Examiner: Junghwa M. Im

SIR:

Attached hereto for filing are the following papers:

Fee Transmittal
Issue Fee Transmittal

Our check in the amount of \$ 1000.00 is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R. 1.136 for any necessary extension of time to make the filing of the attached documents timely, please charge or credit the difference to Deposit Account No. 50-1442. Further, if these papers are not considered timely filed, then a request is hereby made under 37 C.F.R. 1.136 for the necessary extension of time. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

DLA PIPER RUDNICK GRAY CARY US LLP

James M. Heintz
Registration No. 41,828

John K. Pike, Ph.D.
Registration No. 41,253



FEE TRANSMITTAL FY 2005

								Docket No.	2343-137-27					
								Serial No.	10/033,785					
								Filing Date	January 3, 2002					
								Inventor(s)	Jeffrey B. CASADY, et al.					
								Group Art Unit	2811					
TOTAL AMOUNT OF PAYMENT				\$1,000.00				Examiner	Junghwa M. Im					
<p>1. <input checked="" type="checkbox"/> Applicant claims small entity status.</p> <p><input checked="" type="checkbox"/> Charge any <u>UNDERPAYMENT</u> or credit any <u>OVERPAYMENT</u> in the indicated fees to Deposit Account No. 50-1442.</p> <p><input type="checkbox"/> Charge the indicated fees to Deposit Account No. 50-1442.</p>								FEE CALCULATION (continued)						
								3. ADDITIONAL FEES						
								Large Entity	Small Entity	Fee Description				
2. <input checked="" type="checkbox"/> Check enclosed.								Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Paid		
FEE CALCULATION								1051	130	2051	65	Surcharge-late filing fee or oath		
1. BASIC FILING FEE								1053	130	1053	130	Non-English Specification		
Large Entity		Small Entity		Fee Description				1251	120	2251	60	1-mo. ext. of time		
Code	Fee \$	Code	Fee \$					1252	450	2252	225	2-mo. ext. of time		
1011	300	2011	150	Utility Filing Fee				1253	1020	2253	510	3-mo. ext. of time		
1012	200	2012	100	Design Filing Fee				1254	1590	2254	795	4-mo. ext. of time		
1013	200	2013	100	Plant Filing Fee				1255	2160	2255	1080	5-mo. ext. of time		
1014	300	2014	150	Reissue Filing Fee				1401	500	2401	250	Notice of Appeal		
1005	200	2005	100	Provisional Filing Fee				1402	500	2402	250	Appeal Brief		
1111	500	2111	250	Utility Search Fees				1403	1000	2403	500	Request for Oral		
1311	200	2311	100	Utility Examination Fees				1501	1400	2501	700	Utility/Reissue Issue		
SUBTOTAL								\$0.00	1504	300	1504	300	Publication Fee	
2. EXTRA CLAIM FEES								8001	3	8001	3	Advance Copy of Patent		
tot. claims		-	20*	=	0	x	\$25	=	0	1806	180	1806	180	IDS Submission
ind. claims		-	3*	=	0	x	\$100	=	0	8021	40	8021	40	Assignment Recordation
<input type="checkbox"/> Multiple Dependent Claims								\$180	=	1801	790	2801	395	For Filing RCE
SUBTOTAL								0	1814	130	2814	65	Terminal Disclaimer	
3. APPLICATION SIZE FEES								Other:						
Total # of Sheets				# of Extra Sheets										
-		100	=	0										
# of each additional 50 sheets or fraction thereof (round up)		Fee		Total Fee Due								SUBTOTAL	1000	
x		\$125	=	0										

Name	James M. Heintz				Registration No.	41,828	
Signature					Date	December 6, 2005	
Name	John K. Pike, Ph.D.				Telephone	202-861-3900	